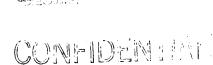
## Sanitized Copy Approved for Release 2011/05/03 : CIA-RDP78-03300A001100010011-5

	O DICE!		1
	•	. 2	 5X
	14 April	1 1955	
MEMORANDUM FOR: TE	E RECORD		
SUBJECT : Us	e of Infrared for Piloting Aircraft		
on 8 April 1955 at	lace of Meeting: USMC Headquarters, 10:30 a.m.	Washington,	
2. Attendance		2	5X
	Major William MacLeod, USMC	2	5X
3. Discussion	•	2	
J. 2250 0000000	•	2	5X
a. ments were for ilyi	asked Major MacLeod what his was a melicopter at night. Major Macl	risual require-	
outlined them. For	flying, five seconds warning on obst	acles is suf-	
or 750 feet visible	speed is 85 knots or approximately 15. For landing, depth perception is r	Oft./second eccessary and	
50 feet is consider		esd how much	5 <sub>X</sub>
Answer - up to 2500	watts at 24 to 28 volts.	is impounts	
	uck drivers infrared binoculars were	demonstrated	
and Major MacLeod's	reaction was "I can do it".		
C.	asked what paperwork would be	necessary for 2	5 <b>X</b>
however, if results	and was told none as far as USMC was warrant, a project should be set up.	concerned;	
d. Major	tacleod indicated that Quantico, Virg	inia wali ha	
the desired locatio	of preliminary tests and he would m	ake arrangements	
for to to	the Commanding Officer, etc., to con accompany on same.	duct tests and	5X
e.	has prepared a request and sub	mitteå it 25)	Y 1
	sasistance from TSS/APD for equipme	nt and technical	
tried with helicopt	The writer has no knowledge of the rs. ERDL had planned some tests but	according to	
cheir Right Vision	and Equipment Branch these tests fell	through.	
		USMC	
	CONFIDENTIAL		

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USMC pilots are currently flying helicopters at night. It appears that this method could be of some value to them, and it should be possible to interest them in other systems.

- 5. Recommendations: It is recommended that TSS/APD cooperate with USMC for initial testing.
- 6. Actions: No action is necessary by TSS/APD until USMC indicates a time and place for the testing.

1.4	
TSS/APD	

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Distribution: P-60C - Orig.

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RIW/br